

**EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Michael Verga, Registration No. 39410, on 05/06/2008 and 05/13/2008.
3. Amend the specification as following:
  - a. Replace paragraph [0003] with the following paragraph:

U.S. patent application Ser. No. 10/640,619 entitled "USE OF THREAD-LOCAL STORAGE TO PROPAGATE APPLICATION CONTEXT IN JAVA 2 ENTERPRISE EDITION (J2EE) APPLICATIONS," filed on August 12, 2003.
  - b. Replace paragraph [0107] with the following paragraph:

As described above, bytecode modification and insertion are well within the knowledge of an ordinary practitioner, and will not, therefore, be described in more detail. More information can be had by referring to: "Supporting the Integration and Evolution of Components Through Binary Component Adaptation", [cs.ucsb.edu/labs/oocsb/p-apers/bca.html](http://cs.ucsb.edu/labs/oocsb/p-apers/bca.html); "BIT: Bytecode Instrumenting Tool", [cs.colorado.edu/about.hanlee/BIT/](http://cs.colorado.edu/about.hanlee/BIT/); "Byte Code Engineering Library", [bcel.sourceforge.net/](http://bcel.sourceforge.net/); "CFParse", [alphaworks.ibm.com/tech/cfparse](http://alphaworks.ibm.com/tech/cfparse);

"Package gnu.bytecodesources.redhat.com/kawa/api/gnu/bytecode/package-summary.html"; "Jikes Bytecode Toolkit", alphaworks.ibm.com/tech/jikesbt; or "The Java Object Instrumentation Environment", duke.edu/ari-/joi/, all of which are hereby incorporated by reference.

4. Amend the following claims:

a. Claim 1:

- i. line 11, replace "requested" with "invoked".
- ii. line 13, replace "requested" with "invoked".
- iii. line 15, replace "requested" with "invoked".

b. Claim 4, line 2, replace "the ARM" with "said ARM".

c. Claim 6 - canceled.

d. Claim 20 replace with the following claim:

20. A computer system having memory storing instructions for monitoring instrumenting a response time of a transaction performed by one or more Common Object Model (COM) objects invoked by a client and executing on one or more platforms, comprising:

one or more monitoring agents deployed on selected ones of said platforms, each monitoring agent configured to intercept intercepting a request for creating at least one of said COM objects generating and to generate a wrapper object corresponding to said requested COM object, wherein said wrapper object implements implementing a universal interface having a plurality

of virtual functions each indexed by a number corresponding to an index number of a method associated with an interface of said requested COM object. object, said monitoring agent further configured to provide the client with a pointer to said wrapper object,

wherein upon invocation of a method associated with an interface of the requested COM object, a virtual function of said universal interface of said wrapper object, indexed by a number corresponding to an index number of said invoked method, is invoked,

wherein said invoked virtual function references instructions for instrumenting said invoked method.

e. Claim 23 replace with the following claim:

23. A computer readable medium storing instructions for performing a method of instrumenting a Common Object Model (COM) object invoked by a client comprising client, comprising:

intercepting a request from the client for creating said COM object,  
generating a wrapper object corresponding to said requested COM object, said wrapper object implementing a universal interface having a plurality of virtual functions each indexed by a number corresponding to an index number of a method associated with an interface of said requested COM object,

providing said client with a reference pointer to said wrapper COM object. object, and

upon invocation of a method associated with an interface of the requested COM object, invoking a virtual function of said universal interface of the wrapper object indexed by a number corresponding to an index number of said invoked method,

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wherein said invoked virtual function references instructions for instrumenting said invoked method.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer N. To whose telephone number is (571) 272-7212. The examiner can normally be reached on M-T 7AM- 4:30 PM, F 7AM- 3:30 PM.
6. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.
7. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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